

# MANAGEMENT INFORMATION SYSTEMS \*

BACHELOR OF SCIENCE

Quarter Credit Hours Required = 180

**Online  
Delivery  
Only**

Virginia College's Bachelor of Science degree in Management Information Systems is designed to provide students with a solid foundation in the topics critical to business information systems and equip them with the knowledge needed in information technology management. Graduates from this program will be prepared for employment in positions involved with management and design of applications and distributed information systems.

The professional employed as a manager of information systems is qualified by training and experience to creatively identify, research, and solve problems related to a wide variety of information fields. This professional will meet the criteria for career tracks that include the design and analysis of network infrastructures, software engineering, and information technology management roles. The program is designed to adapt to current industry requirements in the dynamic field of information technology.

Upon successful completion of this program, students should be able to

- analyze, interpret, and apply various information system functions vital to modern-day business;
- classify the basic elements of management integration with information systems;
- describe the necessary requirements for effective decision making in business organizations;
- demonstrate a practical understanding of current systems analysis and design;
- identify and classify relevant human resource management skills to attain maximum information processing;
- document the legal and environmental issues in information gathering and examination;
- discuss and document the relationship of management tools and information analysis as it relates to the workplace; and
- classify relevant technological processes that present themselves in a workplace environment dependent on contemporary management.

## FOUNDATION:

**Quarter Credit Hours**

|  |                                   |          |
|--|-----------------------------------|----------|
| EDU 1010   | Learning Framework .....          | 4        |
| EDU 1020   | Career Exploration/Planning ..... | 4        |
| <b>Total Minimum Required Foundation Credits .....</b> |                                   | <b>8</b> |

## AREA OF CONCENTRATION:

|   |   |           |
|---|---|-----------|
| BUS 1000  | Introduction to Business .....                                      | 4         |
| CIS 1040  | Introduction to Object-Oriented Programming with Visual Basic ..... | 4         |
| CIS 1160  | Object-Oriented Programming with Visual Basic .....                 | 12        |
| MGT 3040  | Organizational Behavior .....                                       | 4         |
| MGT 3410  | Business and Personal Ethics .....                                  | 4         |
| MGT 4340  | Management Theory and Leadership .....                              | 4         |
| MIS 4810  | Introduction to Management Information Systems .....                | 4         |
| MIS 4900  | Systems Analysis and Design .....                                   | 4         |
| NET 1010  | Operating Systems, Security, and Network Essentials .....           | 4         |
| NET 1020  | PC Components and Professionalism .....                             | 4         |
| NET 1100  | Networking Foundations .....  | 4         |
| NET 1130  | Network Technician .....  | 8         |
| <b>Total Minimum Required Area of Concentration Credits .....</b> |   | <b>60</b> |

## AREA OF CONCENTRATION ELECTIVES:

A minimum of 56 credit hours are to be selected in consultation with the Program Director from approved management information systems courses completed at Virginia College or transferred from another accredited institution. At least 24 credit hours must be 3000- and 4000-level courses.

**Total Minimum Area of Concentration Elective Credits .....** 56

## GENERAL EDUCATION:

These courses are to be selected in consultation with the Program Director so as to effectuate a balanced educational program. Select a total (minimum) of 56 credit hours as indicated. At least 16 credit hours must be 3000- and 4000-level courses.

|   |           |
|---|-----------|
| Communications .....  | 12        |
| Humanities and Fine Arts .....                                | 4         |
| Mathematics .....   | 8         |
| Social and Behavioral Sciences .....                          | 8         |
| Approved General Education Electives .....                    | 24        |
| <b>Total Minimum Required General Education Credits .....</b> | <b>56</b> |

**TOTAL MINIMUM QUARTER CREDIT HOURS REQUIRED .....** 180

***\*This program is only offered through online delivery.***